

## Coordinates of a Point

### A. Choose the Correct Answer:

1. The coordinates of a point are written in the form:

- a)  $(y, x)$
- b)  $(x, y)$
- c)  $(x + y)$
- d)  $(y - x)$

2. In the point  $(3, 5)$ , 3 represents:

- a) Ordinate
- b) Abscissa
- c) Axis
- d) Origin

3. In the point  $(-4, 2)$ , 2 is called the:

- a) Abscissa
- b) X-coordinate
- c) Ordinate
- d) Origin

4. The coordinates of a point lying on the X-axis will have:

- a)  $y = 0$
- b)  $x = 0$
- c)  $x = y$
- d)  $x$  and  $y$  both nonzero

5. The coordinates  $(0, 6)$  represent a point lying on the:

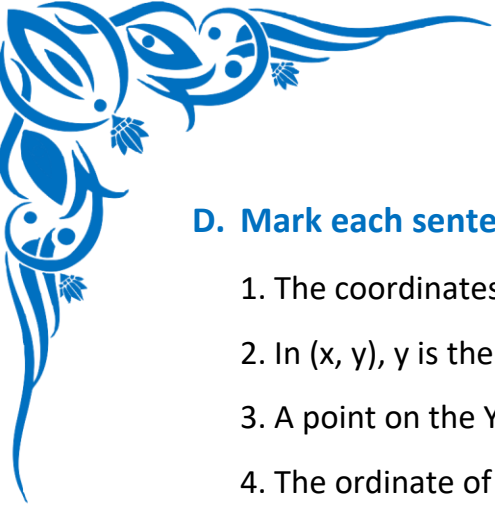
- a) X-axis
- b) Y-axis
- c) Origin
- d) Both axes

### B. Write the Missing Terms to Complete the Sentences:

1. The \_\_\_\_\_ coordinate is written first in the ordered pair
2. In  $(x, y)$ ,  $x$  is the \_\_\_\_\_ and  $y$  is the \_\_\_\_\_
3. The point  $(0, 5)$  lies on the \_\_\_\_\_
4. If a point lies on the Y-axis, its  $x$ -coordinate is \_\_\_\_\_
5. The point  $(5, 0)$  lies on the \_\_\_\_\_

### C. Figure out the answers to these questions:

1. Find the abscissa and ordinate of the point  $(7, -3)$
2. Write the coordinates of a point whose abscissa is  $-4$  and ordinate is  $2$
3. Identify the axis on which the point  $(0, -6)$  lies
4. State whether  $(2, 0)$  lies on the X-axis or Y-axis
5. Write the coordinates of a point 5 units left of the origin on the X-axis



**D. Mark each sentence with a True (✓) or False (X):**

1. The coordinates are always written in the form  $(x, y)$ . \_\_\_\_\_
2. In  $(x, y)$ ,  $y$  is the abscissa. \_\_\_\_\_
3. A point on the  $Y$ -axis has abscissa zero. \_\_\_\_\_
4. The ordinate of  $(5, 7)$  is 5. \_\_\_\_\_
5. The origin is represented by  $(0, 0)$ . \_\_\_\_\_

**E. Challenge yourself with these questions:**

1. What is the ordinate of the point  $(-8, 3)$ .
2. What is the abscissa of the point  $(6, -5)$ .
3. Find the coordinates of a point lying on the  $X$ -axis at 7 units from origin.
4. Find the coordinates of a point lying on the  $Y$ -axis at  $-4$  units from origin.
5. Write the coordinates of the point 3 units above the origin.